Two - Sample Testing aug I wen population average sury neans sur ple average Before ue tested: Ho: avy = 0 (Pifterences de) Hi: aug >0 (or aug < 0) Nou we test Ho: avg, =avg> is equivalent to Ho: avg-avg = =0

H₁: $avy_1 - avg_2 > 0$ (or < 0)

EV (savg₁ - Savg₂) = 0. SESSE (Savy, -Savya) > \(\seta + SE^2\) = (Sd) + (Sdd) Z= (savg, -savg_) - 0 SEdift

So to estimate Sd P* = pooled prop = #1sx+#1sB Hdrawsa + #draws $\hat{Sdp}^* = \sqrt{p^*(1-p^*)}$ # 15A: The number of one's drawn in Sumple A